

ELECTROMAGNETIC INTERFERENCE WAVEGUIDE SHIELD WITH ABSORBER LAYER

ABSTRACT OF THE DISCLOSURE

5

10 A waveguide shield for containing electromagnetic interference (EMI) is disclosed. The waveguide shield includes an array of waveguide cells. Each waveguide cell has a contiguous inner surface coated with an absorber layer that absorbs EMI over a select frequency range. Each waveguide cell also has an aperture. The waveguide shield can be combined with a metallic chassis covering portions of a computer that generate the EMI and heat. The absorber layer allows the waveguide cells to have apertures of a size that can contain the EMI within the chassis while also allowing the heat trapped within the chassis to escape.

"Express Mail" mailing label number: EL833034128US
Date of Deposit: December 20, 2001
This paper or fee is being deposited on the date indicated above with the United States Postal Service pursuant to 37 CFR 1.10, and is addressed to the Commissioner for Patents, Box Patent Application, Washington, D.C. 20231.